2015 BSEE Domestic and International Standards Workshop

Draft Workshop Agenda
May 8, 2015
University of Houston Hilton

Check-in time: 7:00 a.m. to 10:00 a.m.
AGENDA WILL BE UPDATED WITH SPECIFIC PRESENTATION TITLES AS AVAILABLE

8:00 a.m. – 9:00 a.m.	**Introductory Session (all together)** *Welcome* Safety Moment Introduction – BSEE Director Review of the 2014 workshop – recommendations and progress to date Goals for 2015 Workshop - Introduction to the Sessions
SESSION 1 - Quality Management and Equipment Reliability (QM/ER) *BSEE has highlighted in its QC-FIT Technical Evaluations of Connector and Bolt Failures and Seal Assembly and Cement Failures Reports quality concerns with bolt material, seal assemblies and cement barrier systems. This includes the need for updates to existing standards on material properties, testing, quality assurance, and lifecycle management. This session will address domestic and international quality management and equipment reliability concerns. The emphasis will be on quality assurance of subcontracted components and services, lifecycle management for safety critical equipment, how near miss and failure reporting can contribute to equipment reliability, the current status of regulations and standards, and international needs and concerns. .*	
9:00 a.m. – 10:30 a.m.	• U.S. Discussion on Identified Issues o What are the needs of U.S. regulatory agencies regarding QM/ER issues they have come across? o How do other regulatory bodies use standards to accomplish their regulatory objectives and address QM/ER issues? o How are other regulators' issues related to BSEE issues Similarities/Differences? Reference to the Quality Assurance/Quality Control issues recently identified by BSEE during QC-FIT evaluations: ▪ Connector and Bolt Failures Report ▪ Seal Assembly and Cement Failures Report
10:30 a.m. – 10:45 a.m.	**Break**
10:45 a.m. – 12:15 p.m.	• International regulatory presentation o What are the needs of international regulatory communities regarding QM/ER issues they have come across? o How do international communities use standards to accomplish their regulatory objectives and address QM/ER issues? o How are international regulators' issues related to U.S. issues? Similarities/Differences?
12:15 p.m. – 1:15 p.m.	**Lunch**
1:15 p.m. – 3:05 p.m.	• Industry Discussion on Solutions o What are the upcoming gaps in data needs, quality management, and lifecycle management that the industry sees for the future? o What are the needs for new and emerging technologies regarding QM/ER? ▪ High Pressure/ High Temperature needs?

	▪ Service vs. manufacturing quality?
3:05 p.m. – 3:15 p.m.	**Break**
3:15 p.m. – 5:00 p.m.	• Standards Organizations Discussion on Solutions o What are the long-term plans to develop standards that address the identified domestic and international concerns regarding data needs, quality management and lifecycle management? o How have standards organizations addressed technical gaps in the past and how can current gaps be addressed? o What are the data needs for standards organizations? • Closing o Wrap up and path forward
SESSION 2 – Cementing *The cement job has been identified as a contributing cause of the well control failure in both the 2010 Macondo blowout and 2013 liner seal incident. This session will highlight 4 cementing issues that were raised in the Macondo reports and liner seal investigation, specifically: cement evaluation, barriers and cement integrity during plug and abandon operations, sustained casing pressure and borehole-cleaning evaluation. This session will discuss cementing-related domestic and international standards, current status and needs of the regulations, and international approaches and views.*	
9:00 a.m. – 10:30 a.m.	• BSEE presentation: Why is cementing critical to regulators and industry? o Cementing job as a major contributing factor for many loss of well control incidents including Macondo. o What are the needs of U.S. regulatory agencies? • Sustained Casing Pressure (SCP) o BSEE Presentation - Current regulatory process, problems encountered, examples of good cooperation, forefront issues o How international regulatory bodies address SCP o Industry perspective – API 90-1, future work o Dialogue/Q&A
10:30 a.m. – 10:45 a.m.	**Break**
10:45 a.m. – 12:15 p.m.	• Borehole Cleaning o BSEE Presentation - Current regulatory process, problems encountered, examples of good cooperation, forefront issues o How international regulatory bodies address borehole cleaning o Industry perspective – relation to sustained casing pressure, impact of potential gas migration, Standards (API 65-2) o Dialogue/Q&A
12:15 p.m. – 1:15 p.m.	**Lunch**
1:15 p.m. – 3:05 p.m.	• Standards Update o Cementing related standards of interest and ongoing efforts in other work groups o 90-1, 65-2, Work Group (WG) on Abandonment, WG on HPHT testing • Plug & Abandonment o BSEE Presentation – problems encountered, forefront issues, concerns, etc.

	o International Presentation - How do international regulators address P&A and what standards do they use? o Industry perspective - WG on Well Abandonment, how can one start creating a standard approach to minimizing risk to as low as reasonably possible for P&A operations? o Dialogue/Q&A
3:05 p.m. – 3:15 p.m.	**Break**
3:15 p.m. – 5:00 p.m.	• Cement Evaluation & Risk Assessment o BSEE Presentation - Current regulatory process, problems encountered, examples of good cooperation, forefront issues o How international regulatory bodies address cement evaluation o Industry perspective – How to reduce uncertainty, role of cement materials, standardization of cement evaluation o Dialogue/Q&A • Closing o Wrap up and path forward
SESSION 3 - High Pressure High Temperature (HPHT) *The QC-FIT Technical Review of Connector and Bolt Failures highlighted quality concerns with the bolt materials including the need for updates to existing standards on material properties, testing, quality assurance, and lifecycle management. This is especially true as operators move into high pressure high temperature environments. It is recognized that there is a lack of consensus within industry, regulatory bodies, and academia on how to design, verify and validate HPHT designs.*	
9:00 a.m. – 10:30 a.m.	• BSEE presentation o What are the needs of U.S. regulatory agencies? What are the concerns? What information does BSEE need submitted when reviewing applications for the use of HPHT equipment? o Q&A • Project presentation o Lessons learned o How they navigated 3rd party issues o Interaction with government o Challenges and how to overcome o How were standards used? o What had to be modified / developed to complete the project? • 3rd party presentations o 2 presentations with Q&A o What did they review? How did they go about their review? o What standards did they use? What do they believe needs to be developed?
10:30 a.m. – 10:45 a.m.	**Break**
10:45 a.m. – 12:15 p.m.	• Standards Updates – Current status, next steps, identified road blocks o API 17TR8 o ASME BPVC Div 2 and Div 3 o API 17D
12:15 p.m. – 1:15 p.m.	**Lunch**

1:15 p.m. – 3:05 p.m.	• Standards Updates – Current status, next steps, identified road blocks, cont. o API Spec 6A/6X, API 17G, API 16A, API 14A, API 11D1, API 17TR7, API 5C5
3:05 p.m. – 3:15 p.m.	**Break**
3:15 p.m. – 5:00 p.m.	• Standards Updates – Current status, next steps, identified road blocks, cont. • Facilitated session o Materials o Basis of Design o Monitor loads • Closing o Wrap up and path forward
SESSION 4 - Emergency Disconnect (EDC) *There have been multiple incidents where loss of dynamic positioning (DP) has resulted in the need for an emergency disconnect (EDC) internationally and in the GOM. When an EDC occurs, safety systems must function reliably in order to safely shut in the well. The session will focus on DP issues raised by both BSEE and the USCG in the published safety alert as well as incidents that have occurred internationally and the response of international regulators. The session will also touch on the BOP stacks, requirements, standards, and concerns which need to be addressed by industry.*	
9:00 a.m. – 10:30 a.m.	• Introduction • BSEE presentation o What are the needs of U.S. regulatory agencies? What are the concerns? What information does BSEE need submitted when reviewing applications relating to the EDC? • International regulatory presentation o What are the needs of international regulator communities and how do international communities use standards to accomplish their regulatory objectives? • Project presentation from the USCG o How are standard(s) being used? o What standards had to be modified / developed to meet desired goals o Lessons learned
10:30 a.m. – 10:45 a.m.	**Break**
10:45 a.m. – 12:15 p.m.	• Standards Update • ABS presentation on class society guidelines
12:15 p.m. – 1:15 p.m.	**Lunch**
1:15 p.m. – 3:05 p.m.	• Project Presentations o BP - history and findings from BP's disconnect o ENI - disconnects in international waters vs Federal OCS waters
3:05 p.m. – 3:15 p.m.	**Break**

3:15 p.m. – 5:00 p.m.	• Project Presentations
	  o Anadarko – EDC in 2014
	• BSEE investigation findings
	• Roundtable on the EDC process
	• Closing
	  o Wrap up
	  o Path forward